

Anti-IFN gamma Antibody (8L441)

Product Details

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| Ig Type: | Rabbit IgG |
| Reactivity: | Mouse |
| Conjugation: | Unconjugated |
| Clone: | 8L441 |
| Purification: | Protein A |

Applications

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| Verified Activity: | Flow cytometric analysis of Mouse Interferon gamma expression on BABL/c splenocytes. BABL/c splenocytes were stimulated for 4-6 hours with PMA and Ionomycin in the presence of GolgiPlug. The cells were treated according to manufacturer's manual (BD Pharmingen™ Cat. No. 554714), stained with purified anti-Mouse Interferon gamma, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells. |
| Application: | FCM |
| Recommended | FCM: 1:25-1:100 |

Properties

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| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | Recombinant Protein: Mouse Interferon Gamma / IFNG Protein (TMPY-03356) |
| Antigen Species: | Mouse |
| Synonyms: | interferon, γ ; IFN γ ; interferon, gamma |
| Biology Area: | Neuroinflammation |

Research Background

IFN gamma, also known as IFNG, is a secreted protein that belongs to the type II interferon family. IFN gamma is produced predominantly by natural killer and natural killer T cells as part of the innate immune response, and by CD4 and CD8 cytotoxic T lymphocyte effector T cells once antigen-specific immunity develops. IFN gamma has antiviral, immunoregulatory, and anti-tumor properties. IFNG, in addition to having antiviral activity, has important immunoregulatory functions, it is a potent activator of macrophages and has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons. The IFNG monomer consists of a core of six α -helices and an extended unfolded sequence in the C-terminal region. IFN gamma is critical for innate and adaptive immunity against viral and intracellular bacterial infections and tumor control. Aberrant IFN gamma expression is associated with some autoinflammatory and autoimmune diseases. The importance of IFN gamma in the immune system stems in part from its ability to inhibit viral replication directly, and most importantly from its immunostimulatory and immunomodulatory effects. IFNG also promotes NK cell activity.

Cancer ImmunotherapyImmune CheckpointImmunotherapyTargeted Therapy

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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